



Qr 3738

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Serial No.: 09/014,087

Filed : January 27, 1998

For : BIOPROSTHESIS WITH ASSOCIATED
GROWTH FACTORS

Docket No.: S16.12-0062

Group Art Unit: 3738

Examiner: P. Prebilic

#12/1

AMENDMENT AND RESPONSE

Box Non-Fee Amendment

Assistant Commissioner for Patents
Washington, D.C. 20231I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

28 DAY OF August, 2000.


PATENT AGENT

Sir:

In response to the Office Action mailed on May 26, 2000, please enter the following amendments and consider the following remarks.

IN THE CLAIMS

1. (Thrice Amended) A prosthesis for a human patient comprising allograft or xenograft tissue having a polypeptide growth factor associated therewith by a biologic adhesive, covalent bonding using crosslinking agents, or noncovalent bonding characteristic of antibody-antigen, specific binding protein-receptor and enzyme substrate associations, said polypeptide growth factor being effective to stimulate the affiliation of viable cells with said tissue.

14. (Thrice amended) A prosthetic heart valve comprising a substrate with associated VEGF, wherein said VEGF is associated with the substrate by direct attachment, a biologic adhesive, covalent bonding using crosslinking agents, or noncovalent bonding